

REVISED VERSION

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/049687 A1**

(51) International Patent Classification<sup>7</sup>: C08G 18/67,  
18/50, 18/81, C09D 175/16, C08J 7/18

(21) International Application Number:  
PCT/JP2004/015953

(22) International Filing Date: 21 October 2004 (21.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003-360123 21 October 2003 (21.10.2003) JP

(71) Applicant (for all designated States except US): **TDK CORPORATION** [JP/JP]; 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-0027 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAYASHIDA, Naoki** [JP/JP]; c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 (JP). **IHARA, Rie** [JP/JP]; c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 (JP). **ITO, Hidetake** [JP/JP]; c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 (JP). **TANAKA, Kazushi** [JP/JP]; c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 (JP).

(74) Agents: **NAITO, Teruo** et al.; Shin-ei Patent Office, 12th Floor, ARK Mori Building, 12-32, Akasaka 1-chome, Minato-ku, Tokyo 107-6012 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

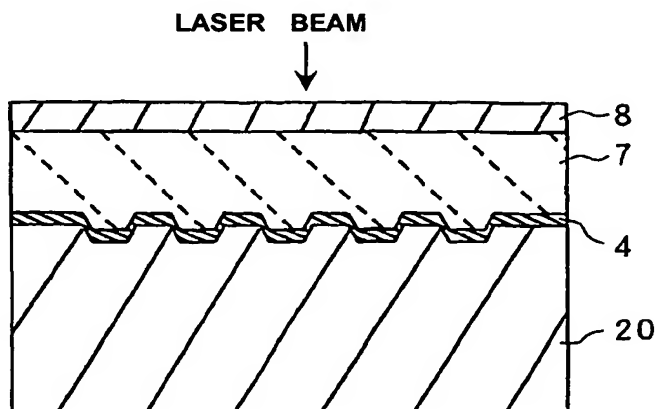
— with international search report

(88) Date of publication of the revised international search report: 12 January 2006

(15) Information about Correction:  
see PCT Gazette No. 02/2006 of 12 January 2006, Section  $\pi$

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **HARDCOAT AGENT COMPOSITION AND OPTICAL INFORMATION MEDIUM THEREOF**



(57) Abstract: A hardcoat agent composition comprising a fluorine-containing polyether compound (A) having a perfluoropolyether unit, urethane bond and active energy ray reactive group and a curable compound (B) having equal to or more than 2 active energy ray polymerizing groups in the molecule. An optical information medium having a film substance composed of single or multiple layers containing at least the recording layer 4 or the reflecting layer on the supporting substrate 20, the optical information medium wherein at least either the surface of the supporting substrate 20 or that of the above-mentioned film substance is formed by the hardcoat layer 8 containing a curable substance of the above-mentioned hardcoat agent composition.

WO 2005/049687 A1